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I hereby certify that this correspondence is being sont by facsimile transmission to:

Attorney Docket No.: 015389-002611US Client Ref. No.: 018/063C

Examiner Peter P. Tung, Art Unit 1652

at Fax No.: 703-746-5310

On October 24, 2001

TOWNSEND and TOWNSEND and CREW LLP

Maisie C. Livengood

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

For:

Examiner:

Peter P. Tung

Cech et al.

Art Unit:

1652

Application No.: 09/432,503

Filed: November 2, 1999

HUMAN TELOMERASE

CATALYTIC SUBUNIT

SECOND PRELIMINARY AMENDMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

SECOND PRELIMINARY AMENDMENT

Prior to examination of the above-referenced application, Applicants respectfully request that the following amendments be entered without prejudice.

IN THE CLAIMS:

Please cancel claims 23-40.

Please add New Claims 41-57 as follows:

A method of increasing the proliferative capacity of a mammalian cell, 41. comprising introducing into the cell a recombinant polynucleotide comprising a nucleic acid